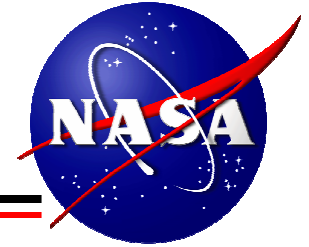


Mission Focus Review 137 and JSC IT Governance

Jon S. Symes

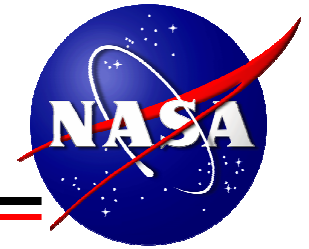
IA/Assistant to the Director IRD

October 30, 2008



MISSION FOCUS REVIEW

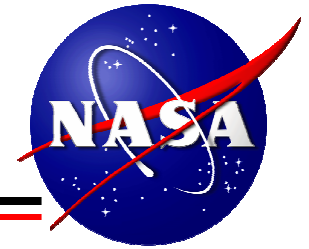
October 30, 2008



Background

In August 2006, the NASA Associate Administrator chartered a team to conduct a Mission Focus Review (MFR) to look broadly across the Agency and identify opportunities to redeploy resources to more directly support NASA's mission. In February 2007, 23 recommendations were presented and adopted, including recommendations MFR 7 and 137:

- Recommendation 7: *Consolidate the purchase and support of all cell phones, personal data assistants (PDAs), cellular pagers, and cellular Internet services to the greatest extent possible.*
- Recommendation 137: *Mandate the use of the Outsourcing Desktop Initiative for NASA (ODIN) by provisioning and supporting all appropriate desktops, laptops, workstations, and associated hardware and software through the Agency using the ODIN contract to the widest extent possible.*



Benefits

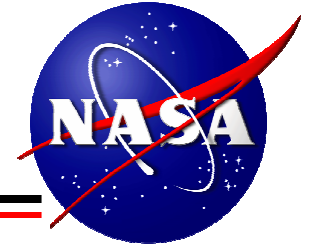
Improvements in IT security by having the majority of desktops, workstations and laptops consistently managed and maintained, allowing faster remediation of IT security breaches and rapid deployment of consistent patches and updates.

Improved quality of IT services due to consistent, interoperable implementations throughout the Agency.

Ensure that NASA controls all equipment accessing the NASA network or processing NASA data.

Reduce asset management burden due to systems being contractor-owned.

Meet OMB Strategic Sourcing Initiative implementation date of March 31, 2008 to have all cellular and mobile computing services sourced and managed thru a single contract vehicle.



MFR 137 Scope

In Scope:

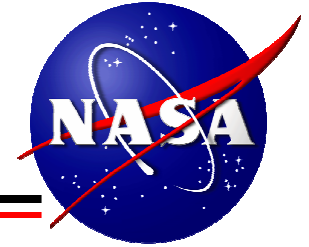
- All desktops, laptops, and workstations.
- IT peripherals*: monitors, mice, printers, keyboards, memory, USB thumb drives, docking stations, external hard drives, software** & any internal or external component that has associated drivers that would change the computer's configuration.

Out of Scope:

- Computers that are embedded into a device.
- Devices that have a computer attached that cannot be purchased separately from the device due to proprietary software or configurations.
- Servers, firewalls, and networks.

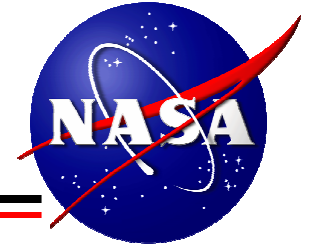
* IT peripherals are required to be purchased via ODIN as of 11/1/08.

** Some software, such as enterprise software, is out of scope. A list of out-of-scope software will be provided on the JSC MFR 137 website.



JSC IT GOVERNANCE

October 30, 2008



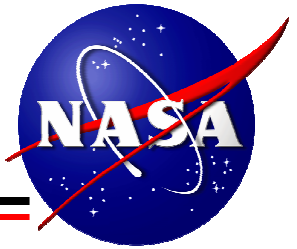
Background

In September 2007, the NASA Senior Management Council approved the proposed Agency Chief Information Officer's (CIO) IT strategic initiatives based on improving IT management and operations, and better defending NASA's annual IT budget.

- Better enable NASA's mission - Significant transformation needed for integrating people, processes, and information
 - "10 healthy Centers" model driving collaboration all Agency
 - Better meet Constellation Program requirements
- Improve IT security
- Improve IT efficiencies across the Agency – reduce redundancies
- Manage IT strategically at an Agency level - recognize fundamental relationship between IT and mission success

Each NASA center was required to prepare a plan for aligning their Center with these changes.

JSC's plan included an assessment of its existing IT governance structure, including proposed changes to align with the Agency Office of the CIO.



Agency IT Governance Board Structure

IT Strategy and Investment Board (SIB)

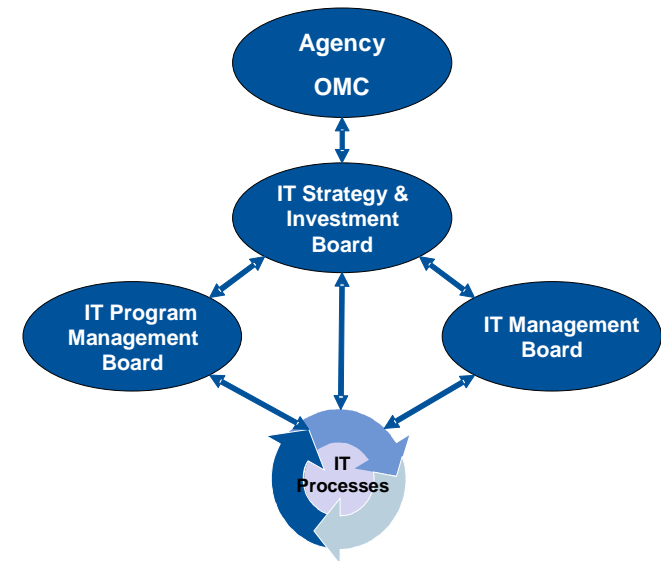
- Senior level stakeholders from Mission Directorates, Mission Support, and Centers
- Decisions regarding IT Investments (prioritization and selection), Enterprise Architecture, and NASA-wide IT policies/processes.

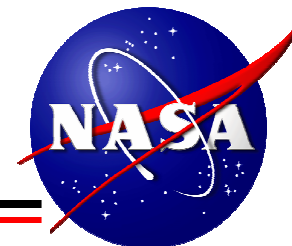
IT Program Management Board (ITPMB)

- Decisions regarding application and infrastructure projects to ensure that investments approved by the IT strategy and Investment Board stay on track during design and implementation.

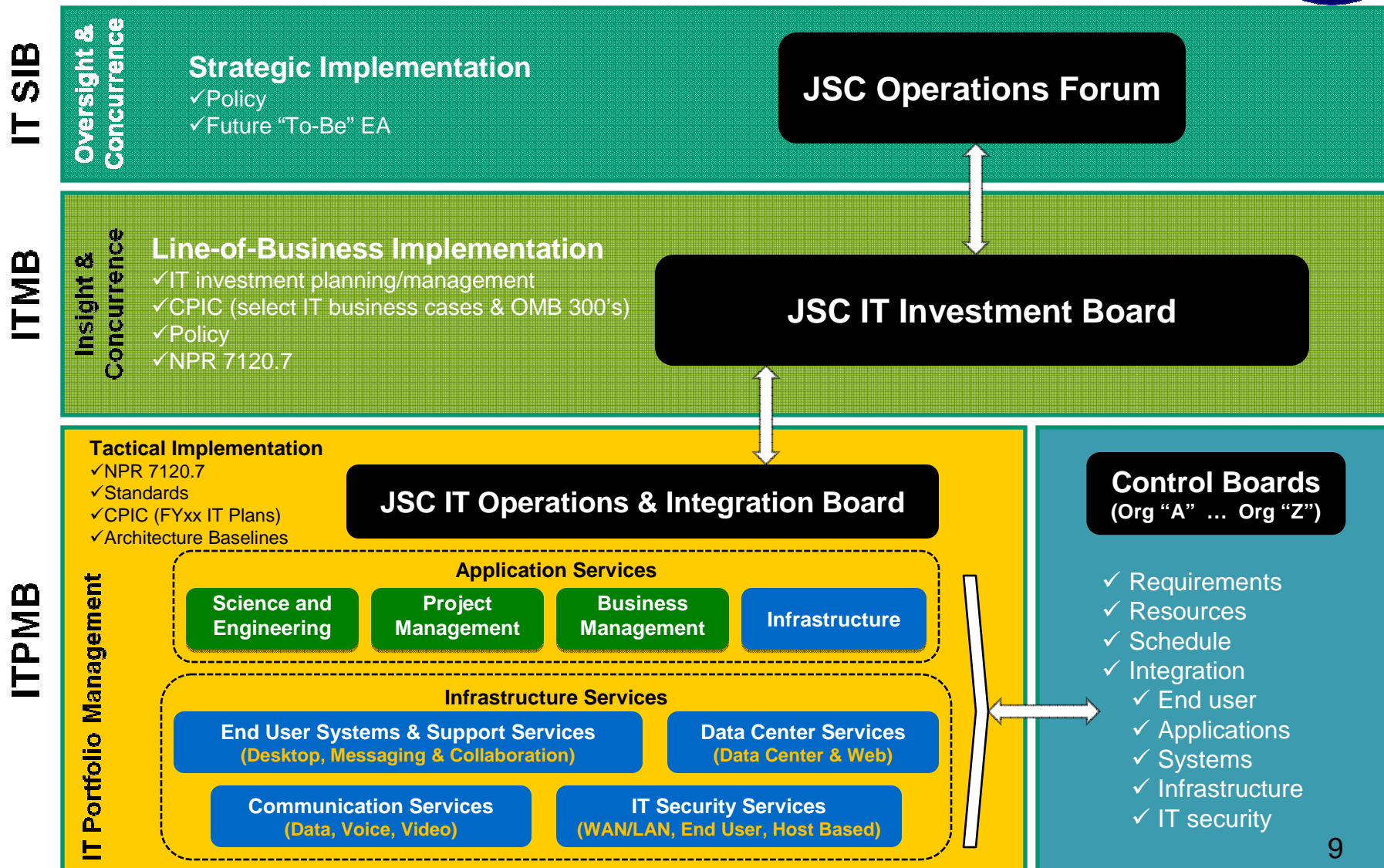
IT Management Board (ITMB)

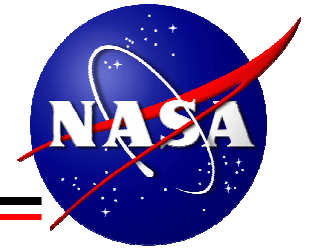
- Decisions regarding operational performance and issues.





JSC IT Governance Framework





IT Governance Decision Domain

Domain	Description	Scope
Cross Cutting IT Policies & Processes	High-level statements about how IT will be used to create programmatic and institutional value. They should be aligned with the strategic goals of the Agency.	JSC Operations Forum
Center Investment Management	The process for deciding where investments should be focused and the procedures for prioritizing initiatives, gaining approval and establishing accountability.	
Architecture	The set of rules, standards, and target states that guide the Center in making sound business and technical process improvement decisions.	JSC IT Investment Board
Applications Environment	Decisions related to the applications and non-severable supporting environment that supports institutional and programmatic needs.	
Infrastructure	Decisions related to the hardware, software, services, and facility components that are expressly designed and implemented to provide a robust information technology capability in support of common processes and shared services.	JSC IT Operations & Integration Board
Organization "A ... Z"	Decision process for identifying organizational investment opportunities and ensuring the systematic control of changes to those investments. The process includes procedures for prioritizing initiatives, gaining approval and establishing accountability.	Control Board



IT Governance Membership, Scope, and Activities

	JSC Operations Forum (As needed)	JSC IT Investment Board (Bi-Monthly)	JSC IT Operations & Integration Board (Monthly)	Control Boards (Org A ... Z)
Membership	Deputy Center Director (Chair)	JSC CIO (Chair)	JSC Deputy CIO (Chair)	Org Management
	JSC Org Senior Managers	Directorate/Office managers with oversight of investments that include information technology	Center and IRD Division/Office Portfolio managers	Org Representatives
		Advisory: JSC EA & IT Security Manager; Executive Secretary	Advisory: JSC EA & IT Security Manager; IRD Chief Technology Officer; Executive Secretary	Advisory: Customer Relationship Manager
Scope	Cross Cutting IT Policies	Cross Cutting Projects Review	Monitor Key Performance Indicators	Monitor Key Performance Indicators
	Agency IT Investments	Selected Organizational Projects, Business Cases & OMB 300's	Selected Organizational Projects, Business Cases & OMB 300's	Organization Projects & Business Cases
	Center IT Investments	JSC Standards	Cross Organizational Systems	Cross & Internal Organizational Systems
	Architecture – "To Be"	JSC Architecture Baseline	Policy, Standards, EA "As Is", Process Compliance & Oversight	Org Policy, Standards, EA "As Is", Process Compliance & Oversight
	Strategic Implementation of Policies	JSC Processes	Tactical Implementation	Tactical Implementation
	Pre-SIB	Pre-board to JOF and Agency ITMB	Pre-board to JIIB and Agency IT PMB	Pre-board to JIOIB
Activities	IT Strategic Plan Approval	Capital Planning and Investment Control	Policy Recommendation	Life Cycle Management
	EA Approval	Project Management and Oversight	Technical Integration	Identify Investments
	Policy Approval	Policy Impact Assessment	Configuration Management & Oversight	Prioritize Investments
	Approve SIB submits	Policy Recommendation	Performance Management & Oversight	Establish Accountability
		Strategic Planning	Tactical Planning	